

PATENT CLAIMS

1. A multilayered transparent biaxially oriented polypropylene film made of a base layer and at least one first cover layer, characterized in that the base layer contains a hydrocarbon resin and the cover layer contains a polydialkyl siloxane having a viscosity of at least 200,000 mm²/second and the first cover layer has a cold sealing adhesive coating on its outer surface.
2. The polypropylene film according to Claim 1, characterized in that the base layer contains an isotactic polypropylene having a melting point of 155 - 165°C.
3. The polypropylene film according to Claim 1 and/or 2, characterized in that the base layer contains the hydrocarbon resin in a quantity of 5 to 20 weight-percent, in relation to the weight of the base layer.
4. The polypropylene film according to one or more of Claims 1 through 3, characterized in that the hydrocarbon resin contains a non-hydrogenated styrene polymer, a methylstyrene-styrene copolymer, a pentadiene and/or cyclopentadiene copolymer, an α -pinene or β -pinene polymer, colophony or colophony derivatives or terpene polymers and hydrogenated compounds thereof, and/or a hydrated α -methylstyrene-vinyl toluene copolymer or possibly mixtures thereof.

5. The polypropylene film according to one or more of Claims 1 through 4,
characterized in that the hydrocarbon resin has a softening point of 100 to 160°C.
6. The polypropylene film according to one or more of Claims 1 through 5,
characterized in that the first cover layer contains the polydialkyl siloxane in a quantity of 0.5 to 3 weight-percent, in relation to the weight of the cover layer.
7. The polypropylene film according to one or more of Claims 1 through 6,
characterized in that the polydialkyl siloxane has a viscosity of 250,000 to 500,000 mm²/second.
8. The polypropylene film according to one or more of Claims 1 through 7,
characterized in that the first cover layer is synthesized from isotactic propylene homopolymers, propylene copolymers, or propylene terpolymers or mixtures of these polymers, the propylene copolymers and terpolymers having a propylene content of at least 80 weight-percent in relation to the polymer.
9. The polypropylene film according to one or more of Claims 1 through 8,
characterized in that the first cover layer contains 0.1 to 2 weight-percent antiblocking agent.
10. The polypropylene film according to one or more of Claims 1 through 9,

characterized in that the first cover layer comprises propylene polymers, polydialkyl siloxane, and antiblocking agent.

11. The polypropylene film according to one or more of Claims 1 through 10, characterized in that the surface of the first cover layer is pretreated using corona, plasma, or flame.
12. The polypropylene film according to one or more of Claims 1 through 11, characterized in that a second cover layer made of polyolefinic polymers is applied to the diametrically opposite surface of the base layer.
13. The polypropylene film according to one or more of Claims 1 through 12, characterized in that a release layer is applied to the surface diametrically opposite the first cover layer as the outer layer, whose surface has a low adhesion in relation to cold sealing coatings.
14. The polypropylene film according to one more of Claims 1 through 13, characterized in that the release layer is a release lacquer, a release film, or a second coextruded release cover layer.
15. The polypropylene film according to one or more of Claims 1 through 14, characterized in that the base layer contains an antistatic agent, preferably tertiary aliphatic amine.

16. The polypropylene film according to one or more of Claims 1 through 15,
characterized in that all layers of the film
contain neutralization agents and stabilizers.
17. A method for manufacturing a polypropylene film
according to one of Claims 1 through 16,
characterized in that the coating of the biaxially
oriented film with the cold sealing adhesive is
performed in the gravure printing method.